



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:  
Application No. :  
Filed:

Juliana H. J. Brooks and Bentley J. Blum  
09/919,679  
August 1, 2001

Title: Spectral Catalysts

G/A Unit: 1651  
Examiner: Jon P. Weber  
Docket No.: BLP:101(a) US CIP

**AMENDMENT AND RESPONSE TO FINAL OFFICE ACTION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir,

In regard to the Final Office Action of April 6, 2004, please amend the above-identified application as follows:

**IN THE CLAIMS:**

Please cancel claims 5-6, without prejudice or disclaimer to the subject matter contained therein.

**REMARKS**

Claims 5 and 6 have been cancelled to place the application in better condition for appeal. A Petition for a three month extension of time and a Notice of Appeal are being filed contemporaneously herewith.

Claims 1-4 and 7-15 stand rejected. The rejections in the Action are respectfully traversed.

A brief summary of the claimed invention is warranted. Applicants disclose and claim that a physical catalyst in a chemical reaction system can be augmented by the exposure of the reaction system to at least one frequency. However, the claims recite not just any frequency, but rather, a very specific frequency (or combination of frequencies). The specific frequency (or combination of frequencies) exposed to the reaction system can, for example, correspond to at

**CERTIFICATE OF MAILING BY FIRST CLASS MAIL (37 CFR 1.8)**Applicant(s): **Juliana H.J. Brooks and Bentley J. Blum**

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**Jon P. Weber**

Customer No.

Group Art Unit  
**1651**

Invention:

**Spectral Catalysts**I hereby certify that this **Amendment and Response to Final Office Action**  
(Identify type of correspondence)

is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Director of the United States Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on **October 6, 2004**  
(Date)

**Mark G. Mortenson**

(Typed or Printed Name of Person Mailing Correspondence)

(Signature of Person Mailing Correspondence)

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